

MikroSort® AT 1223

Aim:

Sorting of quartz pebble

By sorting out the white and grey quartz pebbles from a colourful mixture, quartz with an iron content of less than 0,05% will be achieved.

This quartz is used as raw material in the silicon industry. It is melted in melting furnaces to pure silicon and serves as basic material for silicone and purest silicon for semiconductor industry or solar cells.

Sorting Material: quartz pebbles
 Grain Size: 30-100 mm
 Input Quantity: 60 t/h
 Good Product Stream: 35 %



The MikroSort® AT 1223 was developed especially for the sorting of different coloured stones.

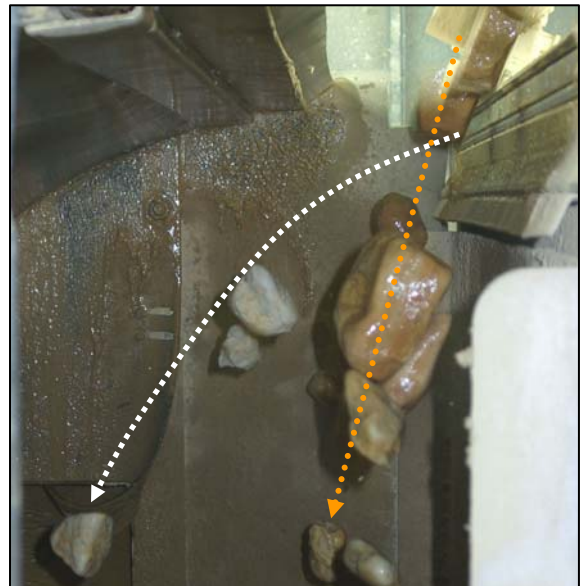
It is equipped with two colour line scan cameras, which view the material from both sides. The stones distinguished by colour are rejected with compressed air by extremely fast high performance valves.



Quartz with high iron content



Quartz with low iron content



The good product, white and grey quartz, is rejected with compressed air, brown quartz pebbles are just falling through.

